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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

M. KUWAHARA et al

Serial No. 09/616,314

Group Art Unit: 2744

Filed: July 17, 2000

For: WIRELESS POSITIONING MEANS, WIRELESS POSITIONING
APPARATUS AND MOBILE POSITION CONTROL CENTER APPARATUS

PETITION TO MAKE SPECIAL
UNDER 37 CFR §1.102 (MPEP §708.02)

Commissioner of Patents
Washington, D.C. 20231

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Sir:

Applicants hereby petition the Commissioner to make the above-identified application special in accordance with 37 CFR §1.102(d). Pursuant to MPEP §708.02(VIII), Applicants state the following.

(A) This Petition is accompanied by the fee set forth in 37 CFR §1.17(i). The Commissioner is hereby authorized to charge any additional payment due, or to credit any overpayment, to Deposit Account No. 50-1417.

(B) All claims are directed to a single invention. If the Office determines that all claims are not directed to a

single invention, Applicant will make an election without traverse as a prerequisite to the grant of special status.

Claims 1-5, 8-12, 15 and 16 relate to the suppression of an interference power. These claims recite a method for processing a received signal from a base station after canceling received signal sent from another base station that creates an interference.

Claims 6, 7, 13, 14 and 17 have been canceled by an accompanying amendment. These claims relate to improving signal power.

(C) A pre-examination search was conducted. The search was directed to a wireless positioning method in which a received signal from a first base station of greater strength than a received signal from second base station is canceled while the weaker signal that is received is subsequently processed. A search was conducted in the MicroPatent database (U.S. only) from 1990 to the present using the following search strategy.

- (1) (BASE ADJ STATION*BASESTATION* OR BASE ADJ APPARATUS*) AND (LOCATION OR POSITION) AND (MEASURE* OR DETECT*) 918 HIT
- (2) (1) AND (INTENSITY OR STRENGTH) 212 HIT

- (3) (1) AND CANCEL* 20 HIT
- (4) (2) OR (3) 230 HIT
- (5) (1) AND (CUT ADJ OFF) 3 HIT
- (6) (1) AND (RECEIVED ADJ1 WAVE OR RECEIVED ADJ1
SIGNAL*) 176 HIT
- (7) (6) NOT (4) 97 HIT
- (8) (1) AND (GREATER OR STRONGEST) 25 HIT
- (9) (1) AND CELLULAR AND "FILING DATE 1990-1999" NOT (2)
153 HIT

A search was also conducted in all subclasses of US Class 342 and Class 455 from January 1990 through December 1998.

(D) The following is a list of the references deemed most closely related to the subject matter encompassed by the claims: U.S. Patents

6,236,354 B1

5,970,414

5,945,948

5,943,014

5,592,180

5,952,969.

A copy of each of these references is enclosed.

(E) It is submitted that the present invention is patentable over the references for the following reasons. According to the present invention, when signals are received from plural base stations and are processed, processing is performed for a received signal sent from a base station after canceling received signals sent from other base stations that cause interference. The interference of greater strength is the one that is cancelled between two signals.

None of these references disclose this feature of the present invention. US Patent No. 6,236,354 B1 is directed to reducing satellite interference in a global positioning system receiver. This reference is not directed to radio waves received from base stations. In addition, this reference does not disclose cancellation of an interference of a relatively greater strength.

US Patent No. 5,970,414 discloses decreasing the power level of a base station upon receiving a signal from another base station. This reference does not disclose processing the signal of weaker strength after canceling a signal of greater strength as recited in the pending claims.

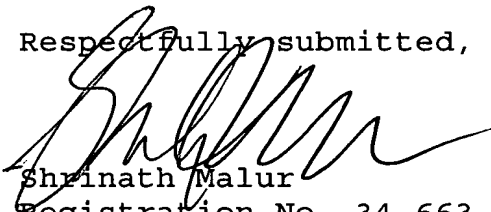
US Patent Nos. 5,945,948, 5,943,014, 5,592,180, and 5,952,969 generally disclose positioning using base stations

but do not disclose ways to overcome problems associated with interference waves.

CONCLUSION

It is submitted that the requirements of 37 CFR §1.102(d) have been satisfied. Accordingly, it is requested that this petition to make special be granted and the application examined according to the appropriate guidelines.

Respectfully submitted,



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